B. TURNER

1647 #5

ENTERED

RAW SEQUENCE LISTING DATE: 11/17/2000
PATENT APPLICATION: US/09/463,874 TIME: 15:55:55

Input Set : A:\V1797000.txt
Output Set: N:\CRF3\11172000\I463874.raw


```
     4 <110> APPLICANT: WANKER, Erich
     5       LEHRACH, Hans
     6       SCHERZINGER, Eberhard
     7       BATES, Gillian
     9 <120> TITLE OF INVENTION: COMPOSITION AND METHOD FOR THE DETECTION
    10       OF DISEASES ASSOCIATED WITH AMYLOID-LIKE FIBRIL OR PROTEIN
    11       AGGREGATE FORMATION
    14 <130> FILE REFERENCE: V0179/7000/HCL
C--> 16 <140> CURRENT APPLICATION NUMBER: US/09/463,874
C--> 16 <141> CURRENT FILING DATE: 2000-06-07
    16 <150> PRIOR APPLICATION NUMBER: PCT/EP98/04811
    17 <151> PRIOR FILING DATE: 1998-07-31
    19 <150> PRIOR APPLICATION NUMBER: EP97113306.1
    20 <151> PRIOR FILING DATE: 1997-08-01
    22 <160> NUMBER OF SEQ ID NOS: 41
    24 <170> SOFTWARE: FastSEQ for Windows Version 3.0
    26 <210> SEQ ID NO: 1
    27 <211> LENGTH: 38
    28 <212> TYPE: DNA
    29 <213> ORGANISM: Artificial Sequence
    31 <220> FEATURE:
    32 <223> OTHER INFORMATION: Oligonucleotide Primer
    34 <400> SEQUENCE: 1
    35  tgggatccgc atggcgaccc tggaaaagct gatgaagg                          38
    37 <210> SEQ ID NO: 2
    38 <211> LENGTH: 36
    39 <212> TYPE: DNA
    40 <213> ORGANISM: Artificial Sequence
    42 <220> FEATURE:
    43 <223> OTHER INFORMATION: Oligonucleotide Primer
    45 <400> SEQUENCE: 2
    46  ggagtcgact cacggtcggt gcagcggctc ctcagc                           36
    48 <210> SEQ ID NO: 3
    49 <211> LENGTH: 39
    50 <212> TYPE: DNA
    51 <213> ORGANISM: Artificial Sequence
    53 <220> FEATURE:
    54 <223> OTHER INFORMATION: Oligonucleotide Primer
    56 <400> SEQUENCE: 3
    57  ctcctcgagc ggcggtggcg gctgttgctg ctgctgctg                        39
    59 <210> SEQ ID NO: 4
    60 <211> LENGTH: 51
    61 <212> TYPE: DNA
    62 <213> ORGANISM: Artificial Sequence
    64 <220> FEATURE:
    65 <223> OTHER INFORMATION: Oligonucleotide Primer
    67 <400> SEQUENCE: 4
```

RAW SEQUENCE LISTING DATE: 11/17/2000
PATENT APPLICATION: US/09/463,874 TIME: 15:55:55

Input Set : A:\V1797000.txt
Output Set: N:\CRF3\11172000\I463874.raw

cgctcgaggg tatcttcgag gcccagaaga tcgagtggcg atcaccatga g 51

<210> SEQ ID NO: 5
<211> LENGTH: 54
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Oligonucleotide Primer
<400> SEQUENCE: 5
ggccgctcat ggtgatcgcc actcgatctt ctgggcctcg aagataccct cgag 54

<210> SEQ ID NO: 6
<211> LENGTH: 94
<212> TYPE: PRT
<213> ORGANISM: Homo Sapiens
<400> SEQUENCE: 6

```
Ile Glu Gly Arg Gly Ile Arg Met Ala Thr Leu Glu Lys Leu Met Lys
 1               5                  10                  15
Ala Phe Glu Ser Leu Lys Ser Phe Gln Gln Gln Gln Gln Gln Gln Gln
            20                  25                  30
Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Pro Pro Pro Pro
        35                  40                  45
Pro Pro Pro Pro Pro Pro Pro Gln Leu Pro Gln Pro Pro Pro Gln Ala
    50                  55                  60
Gln Pro Leu Leu Pro Gln Pro Gln Pro Pro Pro Pro Pro Pro Pro Pro
65                  70                  75                  80
Pro Pro Gly Pro Ala Val Ala Glu Glu Pro Leu His Arg Pro
                85                  90
```

<210> SEQ ID NO: 7
<211> LENGTH: 95
<212> TYPE: PRT
<213> ORGANISM: Homo Sapiens
<400> SEQUENCE: 7

```
Ile Glu Gly Arg Gly Ile Arg Met Ala Thr Leu Glu Lys Leu Met Lys
 1               5                  10                  15
Ala Phe Glu Ser Leu Lys Ser Phe Gln Gln Gln Gln Gln Gln Gln Gln
            20                  25                  30
Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Pro Pro Pro
        35                  40                  45
Pro Pro Pro Pro Pro Pro Pro Pro Gln Leu Pro Gln Pro Pro Pro Gln
    50                  55                  60
Ala Gln Pro Leu Leu Pro Gln Pro Gln Pro Pro Pro Pro Pro Pro Pro
65                  70                  75                  80
Pro Pro Pro Gly Pro Ala Val Ala Glu Glu Pro Leu His Arg Pro
                85                  90                  95
```

<210> SEQ ID NO: 8
<211> LENGTH: 96
<212> TYPE: PRT
<213> ORGANISM: Homo Sapiens
<400> SEQUENCE: 8

```
Ile Glu Gly Arg Gly Ile Arg Met Ala Thr Leu Glu Lys Leu Met Lys
```

RAW SEQUENCE LISTING DATE: 11/17/2000
PATENT APPLICATION: US/09/463,874 TIME: 15:55:55

Input Set : A:\V1797000.txt
Output Set: N:\CRF3\11172000\I463874.raw

```
  1               5                  10                  15
 Ala Phe Glu Ser Leu Lys Ser Phe Gln Gln Gln Gln Gln Gln Gln
             20                  25                  30
 Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Pro Pro
         35                  40                  45
 Pro Pro Pro Pro Pro Pro Pro Pro Pro Gln Leu Pro Gln Pro Pro Pro
     50                  55                  60
 Gln Ala Gln Pro Leu Leu Pro Gln Pro Gln Pro Pro Pro Pro Pro Pro
 65                  70                  75                  80
 Pro Pro Pro Pro Gly Pro Ala Val Ala Glu Glu Pro Leu His Arg Pro
                 85                  90                  95
<210> SEQ ID NO: 9
<211> LENGTH: 97
<212> TYPE: PRT
<213> ORGANISM: Homo Sapiens
<400> SEQUENCE: 9
 Ile Glu Gly Arg Gly Ile Arg Met Ala Thr Leu Glu Lys Leu Met Lys
  1               5                  10                  15
 Ala Phe Glu Ser Leu Lys Ser Phe Gln Gln Gln Gln Gln Gln Gln Gln
             20                  25                  30
 Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Pro Pro
         35                  40                  45
 Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Gln Leu Pro Gln Pro Pro
     50                  55                  60
 Pro Gln Ala Gln Pro Leu Leu Pro Gln Pro Gln Pro Pro Pro Pro Pro
 65                  70                  75                  80
 Pro Pro Pro Pro Pro Gly Pro Ala Val Ala Glu Glu Pro Leu His Arg
                 85                  90                  95
 Pro
<210> SEQ ID NO: 10
<211> LENGTH: 98
<212> TYPE: PRT
<213> ORGANISM: Homo Sapiens
<400> SEQUENCE: 10
 Ile Glu Gly Arg Gly Ile Arg Met Ala Thr Leu Glu Lys Leu Met Lys
  1               5                  10                  15
 Ala Phe Glu Ser Leu Lys Ser Phe Gln Gln Gln Gln Gln Gln Gln Gln
             20                  25                  30
 Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln
         35                  40                  45
 Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Gln Leu Pro Gln Pro
     50                  55                  60
 Pro Pro Gln Ala Gln Pro Leu Leu Pro Gln Pro Gln Pro Pro Pro Pro
 65                  70                  75                  80
 Pro Pro Pro Pro Pro Pro Gly Pro Ala Val Ala Glu Glu Pro Leu His
                 85                  90                  95
 Arg Pro
<210> SEQ ID NO: 11
<211> LENGTH: 99
```

RAW SEQUENCE LISTING DATE: 11/17/2000
PATENT APPLICATION: US/09/463,874 TIME: 15:55:55

Input Set : A:\V1797000.txt
Output Set: N:\CRF3\11172000\I463874.raw

182 <212> TYPE: PRT
183 <213> ORGANISM: Homo Sapiens
185 <400> SEQUENCE: 11
186 Ile Glu Gly Arg Gly Ile Arg Met Ala Thr Leu Glu Lys Leu Met Lys
187 1 5 10 15
188 Ala Phe Glu Ser Leu Lys Ser Phe Gln Gln Gln Gln Gln Gln Gln Gln
189 20 25 30
190 Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln
191 35 40 45
192 Gln Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Gln Leu Pro Gln
193 50 55 60
194 Pro Pro Pro Gln Ala Gln Pro Leu Leu Pro Gln Pro Gln Pro Pro Pro
195 65 70 75 80
196 Pro Pro Pro Pro Pro Pro Pro Gly Pro Ala Val Ala Glu Glu Pro Leu
197 85 90 95
198 His Arg Pro
201 <210> SEQ ID NO: 12
202 <211> LENGTH: 100
203 <212> TYPE: PRT
204 <213> ORGANISM: Homo Sapiens
206 <400> SEQUENCE: 12
207 Ile Glu Gly Arg Gly Ile Arg Met Ala Thr Leu Glu Lys Leu Met Lys
208 1 5 10 15
209 Ala Phe Glu Ser Leu Lys Ser Phe Gln Gln Gln Gln Gln Gln Gln Gln
210 20 25 30
211 Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln
212 35 40 45
213 Gln Gln Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Gln Leu Pro
214 50 55 60
215 Gln Pro Pro Pro Gln Ala Gln Pro Leu Leu Pro Gln Pro Gln Pro Pro
216 65 70 75 80
217 Pro Pro Pro Pro Pro Pro Pro Pro Gly Pro Ala Val Ala Glu Glu Pro
218 85 90 95
219 Leu His Arg Pro
220 100
222 <210> SEQ ID NO: 13
223 <211> LENGTH: 101
224 <212> TYPE: PRT
225 <213> ORGANISM: Homo Sapiens
227 <400> SEQUENCE: 13
228 Ile Glu Gly Arg Gly Ile Arg Met Ala Thr Leu Glu Lys Leu Met Lys
229 1 5 10 15
230 Ala Phe Glu Ser Leu Lys Ser Phe Gln Gln Gln Gln Gln Gln Gln Gln
231 20 25 30
232 Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln
233 35 40 45
234 Gln Gln Gln Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Gln Leu
235 50 55 60
236 Pro Gln Pro Pro Pro Gln Ala Gln Pro Leu Leu Pro Gln Pro Gln Pro

RAW SEQUENCE LISTING DATE: 11/17/2000
PATENT APPLICATION: US/09/463,874 TIME: 15:55:55

Input Set : A:\V1797000.txt
Output Set: N:\CRF3\11172000\I463874.raw

```
237  65                  70                  75                  80
238  Pro Pro Pro Pro Pro Pro Pro Pro Gly Pro Ala Val Ala Glu Glu
239                  85                  90                  95
240  Pro Leu His Arg Pro
241              100
243 <210> SEQ ID NO: 14
244 <211> LENGTH: 102
245 <212> TYPE: PRT
246 <213> ORGANISM: Homo Sapiens
248 <400> SEQUENCE: 14
249   Ile Glu Gly Arg Gly Ile Arg Met Ala Thr Leu Glu Lys Leu Met Lys
250    1               5                  10                  15
251   Ala Phe Glu Ser Leu Lys Ser Phe Gln Gln Gln Gln Gln Gln Gln Gln
252               20                  25                  30
253   Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln
254           35                  40                  45
255   Gln Gln Gln Gln Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Gln
256       50                  55                  60
257   Leu Pro Gln Pro Pro Pro Gln Ala Gln Pro Leu Leu Pro Gln Pro Gln
258   65                  70                  75                  80
259   Pro Pro Pro Pro Pro Pro Pro Pro Pro Gly Pro Ala Val Ala Glu
260                  85                  90                  95
261   Glu Pro Leu His Arg Pro
262              100
264 <210> SEQ ID NO: 15
265 <211> LENGTH: 103
266 <212> TYPE: PRT
267 <213> ORGANISM: Homo Sapiens
269 <400> SEQUENCE: 15
270   Ile Glu Gly Arg Gly Ile Arg Met Ala Thr Leu Glu Lys Leu Met Lys
271    1               5                  10                  15
272   Ala Phe Glu Ser Leu Lys Ser Phe Gln Gln Gln Gln Gln Gln Gln Gln
273               20                  25                  30
274   Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln
275           35                  40                  45
276   Gln Gln Gln Gln Gln Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro
277       50                  55                  60
278   Gln Leu Pro Gln Pro Pro Pro Gln Ala Gln Pro Leu Leu Pro Gln Pro
279   65                  70                  75                  80
280   Gln Pro Pro Pro Pro Pro Pro Pro Pro Pro Gly Pro Ala Val Ala
281                  85                  90                  95
282   Glu Glu Pro Leu His Arg Pro
283              100
285 <210> SEQ ID NO: 16
286 <211> LENGTH: 104
287 <212> TYPE: PRT
288 <213> ORGANISM: Homo Sapiens
290 <400> SEQUENCE: 16
291   Ile Glu Gly Arg Gly Ile Arg Met Ala Thr Leu Glu Lys Leu Met Lys
```

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/463,874

DATE: 11/17/2000
TIME: 15:55:56

Input Set : A:\V1797000.txt
Output Set: N:\CRF3\11172000\I463874.raw

L:16 M:270 C: Current Application Number differs, Replaced Current Application No
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date